

What Is Claimed Is:

1. A direct backlight module, comprising:
 - a diffuser;
 - 5 a reflecting plate disposed under the diffuser and having a first reflecting portion, a second reflecting portion and a third reflecting portion, wherein the first reflecting portion is adjacent to the second reflecting portion and the second reflecting portion is adjacent to the third reflecting portion;
 - 10 and
 - an illumination tube disposed between the diffuser and the reflecting plate and located above the first reflecting portion, wherein the light beams from the illumination tube enter the diffuser directly and via reflections among the first reflecting portion, the second reflecting portion and the third reflecting portion.
2. The direct backlight module as claimed in claim 1, wherein the height of the third reflecting portion is greater than that
 - 20 of the first reflecting portion.
3. The direct backlight module as claimed in claim 1, wherein the first reflecting portion is a curved surface for reducing the ineffective light beams reflected back to the illumination
 - 25 tube.
4. The direct backlight module as claimed in claim 1, wherein the first reflecting portion is a triangular protrusion for reducing the ineffective light beams reflected back to the
 - 30 illumination tube.

5. The direct backlight module as claimed in claim 1, wherein the second reflecting portion is a planar surface.

5 6. The direct backlight module as claimed in claim 1, wherein the third reflecting portion is a triangular protrusion.

7. The direct backlight module as claimed in claim 1, further comprising a prism disposed on the diffuser.

10

8. The direct backlight module as claimed in claim 1, further comprising a diffusing plate disposed on the diffuser.

9. A direct backlight module, comprising:

15

a diffuser;

a reflecting plate disposed under the diffuser and having a curved surface, a planar surface and a triangular protrusion, wherein the curved surface is adjacent to the planar surface and the planar surface is adjacent to the triangular protrusion; and

20

an illumination tube disposed between the diffuser and the reflecting plate and located above the curved surface, wherein the light beams from the illumination tube enter the diffuser directly and via reflections among the curved surface, the planar surface and the triangular protrusion.

25

10. The direct backlight module as claimed in claim 9, wherein the height of the triangular protrusion is greater than that of the curved surface.

11. The direct backlight module as claimed in claim 9, further comprising a prism disposed on the diffuser.

12. The direct backlight module as claimed in claim 9, further
5 comprising a diffusing plate disposed on the diffuser.

13. A direct backlight module, comprising:

a diffuser;

a reflecting plate disposed under the diffuser and having

10 a first triangular protrusion, a planar surface and a second triangular protrusion, wherein the first triangular protrusion is adjacent to the planar surface and the planar surface is adjacent to the second triangular protrusion; and

15 an illumination tube disposed between the diffuser and the reflecting plate and located above the first triangular protrusion, wherein the light beams from the illumination tube enter the diffuser directly and via reflections among the first triangular protrusion, the planar surface and the second triangular protrusion.

20

14. The direct backlight module as claimed in claim 13, wherein the height of the second triangular protrusion is greater than that of the first triangular protrusion.

25 15. The direct backlight module as claimed in claim 13, further comprising a prism disposed on the diffuser.

16. The direct backlight module as claimed in claim 13, further comprising a diffusing plate disposed on the diffuser.